INDIANA

SUMMARY OF FY 1997 ENVIRONMENTAL PERFORMANCE PARTNERSHIP AGREEMENT

STRATEGIC PRIORITIES

The Illinois Department of Environmental Management (IDEM) identified 11 strategic goals and priorities to replace the media-specific framework (air, water, waste and cleanup) previously implemented. Those strategic priorities are:

- **Prevent pollution.** IDEM envisions that all Indiana industries will use pollution prevention techniques as the preferred method for protecting the environment. By preventing pollution, industries can avoid the regulatory burdens of treatment and disposal while gaining operating flexibility and avoiding civil liability.

- **Reduce toxic releases.** Indiana will continue to work with businesses to reduce toxic emissions. In FFY 97, IDEM will focus special efforts on mercury, a bioaccumulative contaminant linked to fish consumption advisories on many Indiana rivers and lakes, and on achieving a better understanding of unregulated toxic chemicals.

- **Meet air quality standards.** Hundreds of thousands of Indiana residents are exposed to air that does not meet state or federal health-related standards. IDEM emphasizes the importance of addressing attainment with national ozone standards, and sees the toxic emissions potential of the state's businesses as a threat that warrants additional attention.

- **Meet surface water quality standards.** Indiana possesses many miles of waterways and many more acres of lakes, reservoirs, and wetlands and recognizes the need to protect these resources to provide safe water for swimmers, fish, and wildlife, as well as for public water supply. IDEM's goal is to meet surface water quality standards for some 100 substances by the year 2005.

- **Target northwest Indiana.** IDEM views Northwest Indiana as the geographic area posing the most significant threat to human health and the surrounding ecosystems, and therefore deserving of priority attention. IDEM plans to coordinate activities with EPA Region 5 to make the air and water safe and to restore land for productive uses.

- **Reduce and safely manage solid waste.** IDEM supports maximum reduction, reuse, and recycling of materials, followed by the safe disposal of the state's waste. IDEM stresses working towards its waste reduction goals by closing the recycling loop.
- **Ensure safe drinking water.** IDEM identifies the primary threats to the health

of Indiana's drinking water as releases from industrial facilities and landfills, farm runoff, and other nonpoint pollution sources. Indiana's goal is to protect its drinking water supply from these sources of contamination.

- **Clean up and prevent contaminated sites.** Indiana aims not only to clean up existing hazardous waste sites so that land and water resources may be restored, but also emphasizes the necessity of proper management, transport, and disposal of hazardous materials to prevent future contamination.

- **Improve customer service.** IDEM strives to be fair, consistent, professional, accountable, and deserving of the public's trust in all of its activities, while continuously improving the services it provides and communication to businesses, local governments, environmental activists, citizens, taxpayers and others for the protection of the environment.

- **Increase efficiency.** Because IDEM is accountable to Indiana taxpayers for every dollar spent to protect Indiana's environment, IDEM will continue to encourage its employees to identify ways to streamline its processes to improve cost effectiveness.

- **Focus on environmental results.** Through this agreement, IDEM and EPA Region 5 will work in partnership to achieve measurable goals and objectives for Indiana's environment. They will work together to ensure that they are not duplicating each other's efforts, and will participate in national workgroups to ensure that data collection and accountability measures are adding value to their environmental protection efforts.

While working across organizational lines to address some of these strategic goals may be difficult, Illinois believes that it will create new opportunities for cross-agency dialogue.

SPECIFIC OBJECTIVES FOR ACHIEVING KEY GOALS

The following tables identify how Indiana plans to achieve goals for each strategic priority described above.

Prevent Pollution	
Key Goal	**Objectives**
Use pollution prevention to reduce toxic chemicals from manufacturers.	• More than 90 percent of businesses subject to federal National Environmental Standards for Hazardous Air Pollutants (NESHAPs) use pollution prevention to achieve compliance deadline in the NESHAPs. • 50 percent of the publicly owned treatment works (POTWs) with approved pretreatment programs will conduct P2 opportunity assessments for 25 percent of their significant industrial users (SIUs) before 1999. • Reduce the amount of hazardous waste shipped from non-cleanup operations by 10 percent before 2000. • Reduce the quantity of toxic chemicals in manufacturers' environmental waste by 20 percent before 2001 through the use of pollution prevention after adjusting for changes in production rates. • Develop and carry out a comprehensive quality assurance program for Form Rs that includes compliance assistance, workshops, careful evaluation of the data submitted, follow up with facilities and enhancement of the analysis to consider chemical use and hazards. • 75 manufacturing facilities will implement the Pollution Prevention and Safe Materials Institute's formal pollution prevention recommendations before 2000.
Strive to have Indiana's manufacturers and business sectors using significant quantities of toxic chemicals voluntarily evaluate pollution prevention opportunities in their business plans.	• 30 percent of facilities initially subject to EPA Risk Management Planning requirements will achieve compliance before 2000 by dropping below compliance thresholds. • Have verifiable information that more than 50 percent of drycleaners in Indiana have met or exceeded the 450 solvent mileage standard for one year before 2000. • More than 60 percent of the large quantity generators of hazardous waste will submit waste reduction forms voluntarily with their 1999 Resource Conservation andRecovery Act (RCRA) Biennial Report.

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Reduce Toxic Releases	
Key Goal	**Objectives**
Reduce toxic chemical releases to the environment from Indiana's manufacturers.	• Reduce, by 30 percent, manufacturers' reported releases by 2001. • Develop and carry out a comprehensive quality assurance program for Form Rs that includes compliance assistance, workshops, careful evaluation of the data submitted, follow up with facilities, and enhancement of the analysis to consider chemical use and hazards.
Reduce mercury contamination in Indiana's environment.	• Have remedial activities underway for 100 percent of cleanup sites contaminated with mercury (Hg) by 2000. • Reduce by 50 percent the number of detections of mercury in incoming wastewater by 2002. • Promote the use of safer alternatives to mercury users wherever they have been shown to be as effective as the mercury-containing product.
Help Indiana citizens and businesses understand the risks of toxic chemicals.	• Provide citizens and businesses with accurate information on toxic chemicals and hazards as they need it so that they can take appropriate action. • Where hazards from a toxic chemical are known and a regulatory or voluntary mechanism exists to control the source of the chemical, IDEM will use its authorities and resources to bring about reduced releases of the toxic chemicals to the environment.

Meet Air Quality Standards	
Key Goal	**Objectives**
Meet the National Ambient Air Quality Standard in Lake and Porter counties by the year 2007 and in Clark and Floyd counties by 1998.	• Gather and deliver timely and accurate ozone information in non-attainment areas of the state for use in air quality planning efforts and public education. • Install and implement a pilot Particulate Matter (PM) 2.5 ambient monitoring network in contemplation of the setting of a new national standard for particulate matter. • Effectively utilize compliance resources to ensure that all health-based air quality standards in non-compliance and maintenance areas are met in a way that focuses on those efforts that most seriously affect air quality. • Issue all pending Federally Enforceable State Operating Permits (FESOPs), new source review permits and Title V Operating Permits both within statutory timelines and in a manner that ensures that those permits are the most effective compliance tools for the Agency and the regulated community. • Develop streamlined and integrated construction and operating air permitting approaches in order to focus technical resources on value-added and environmentally significant technical analysis. • Develop and implement additional ozone control measures in the 9 percent ozone reduction plan for Lake and Porter counties. • Implement the 15 percent ozone reduction plans for Clark, Floyd, Lake and Porter counties and submit to U.S. EPA the ozone attainment demonstration for Clark and Floyd counties. • Actively participate and represent the state of Indiana in the Ozone Transport Assessment Group (OTAG) and, once that group has analyzed its data and made recommendations, develop Indiana’s comprehensive ozone attainment plan. • Implement transportation initiatives intended to reduce emissions from mobile sources.

Meet Air Quality Standards	
Key Goal	**Objectives**
Continuous reduction of toxic emissions.	• Develop a statewide ambient air toxic reduction strategy that prioritizes activities based on geographic areas and pollutants of concern. • Implement Section 112 of the 1990 Amendment to the Clean Air Act and include regulatory initiatives that will result in all new constructions or reconstructions of sources of air toxics meeting Maximum Achievable Control Technology (MACT) standards. • Expand the existing toxics monitoring network to determine baseline or background concentrations, identify problem sources, and develop Hazardous Air Pollutants (HAPs) standard exposure limits.
Positively and aggressively maintain air quality improvements throughout the state.	• Monitor air quality in maintenance areas and evaluate and implement (if necessary) contingency measures to ensure continued attainment status. • Use statewide ambient monitoring and permit data to target areas of the state where trends indicate air pollution increases for additional compliance focus. • Timely issuance of all pending Federally Enforceable State Operating Permits (FESOPs), new source review permits & Title V Operating Permits in a manner which both ensures that those permits are subjected to rigorous Best Available Control Technology (BACT) and Lowest Achievable Emission Rate (LAER) determinations as applicable and that they are the most effective compliance tools possible for the Agency and the regulated community. • Increase public awareness and support of air pollution issues.

Meet Surface Water Quality Standards	
Key Goal	**Objectives**
Identify impaired watersheds and develop management plans to restore uses.	• Continue implementation of the Surface Water Quality Monitoring Strategy in 1997. • Finalize total maximum daily limit (TMDL) list and prioritize watersheds by 1997. Develop model watershed management plan, integrating point sources, nonpoint source, and loan/assistance programs in 1998. • Initiate in 1997 a public outreach approach to educate public on how to make a difference in improving impaired watersheds. • Target available grant funds to nonpoint source control efforts that return the most benefit to impaired watersheds. • Manage 401 Water Quality Certification Program to assure that development and management activities in Indiana do not decrease available wetlands or impair watersheds uses. • Continue Nonpoint Source Task Force work to develop management plan in 1997. • Expand working relationships for the Nonpoint Source non regulatory program with universities, other state agencies, federal agencies, and environmental organizations working with nonpoint source pollution. • Continue work begun by the Clean Lakes Program which is evolving into the Indiana Lakes Program. • Increase number of marine pumpout stations by 10 percent in 1997.

Meet Surface Water Quality Standards	
Key Goal	**Objectives**
Control Point Source Pollution.	• Reduce significant non-compliance (SNC) violations of major and minor municipalities and industries by 5 percent in 1997. • Implement new water quality standards through renewal of all NPDES expired permits by 2001. • Issue new NPDES permits and wastewater construction permits within time frames established under state law and in manner to minimize point source discharged. (CWA 106). • Complete Great Lakes Initiative rule making and initiate comprehensive review of state water quality standards in 1997. • Expand use of State Revolving Loan Fund to solve priority wastewater treatment problems and continue toward the closeout of the construction grants program. • Complete Constructed Wetlands guidance and continue to foster innovative, effective methods for small wastewater treatment systems. • Form regional sewer districts.

Target Northwest Indiana	
Key Goal	**Objectives**
Improve air quality in Northwest Indiana.	• Develop comprehensive operating permits to be issued for an entire source in compliance with Title V. • Work with sources subject to Lake County's PM-10 plan requirements to ensure that the measures implemented by the sources are sufficient. • Involve the public and improve its awareness of what we can do to lessen air pollution. Work with the Compliance and Technical Assistance Program (CTAP) to provide education and outreach on new air rules. • Develop measures aimed at reducing volatile organic compound (VOC) emissions by 15 percent from 1990 baseline. • Reduce ozone emissions and bring areas closer to attainment.

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Target Northwest Indiana	
Key Goal	**Objectives**
Reduce toxic pollutants in the environment in Northwest Indiana.	• Reduce quantities of conventional and toxic pollutants existing within and entering into Northwest Indiana. • Develop a comprehensive statewide program to reduce emissions of hazardous air pollutants (HAPs). • Initiate the process to receive delegated authority from EPA for the implementation of all section 112 standards and programs.
Reduce the release of hazardous substances, petroleum or petroleum-related substances and clean up contaminated lands and ground water.	• Increase the number of facilities involved in the Memorandum of Cooperation and involved in the Voluntary Remediation Program. • Review facility spill prevention plans. Identify potential waste minimization opportunities. • Increase the number of supplemental environmental projects that cleanup or prevent the release of hazardous substances, petroleum or petroleum-related substances.
Integrate sustainable development, pollution prevention and environmental stewardship into industry practices and public behavior in Northwest Indiana.	• Increase the number of facilities that qualify for pollution prevention awards. • Promote an open dialogue with businesses and citizens on sustainable development and environmental stewardship.
Restore the beneficial uses in Lake Michigan and the Grand Calumet Area of Concern.	• Prepare remedial action and lakewide management plans, as required by the Great Lakes Water Quality Agreement (GLWQA).

Target Northwest Indiana	
Key Goal	**Objectives**
Reduce the adverse impacts of contaminated sediments flowing into Lake Michigan from the Indiana Harbor ship Canal and the Grand Calumet River and restore these water bodies for uses including fishing and wildlife habitat.	• Identify extent of sediment contamination in the Grand Calumet River and cleanup options. • Implement a strategy for funding cleanup of the Grand Calumet River. • Increase the funds placed into the Grand Calumet River Restoration Fund.

Reduce and Safely Manage Solid Waste	
Key Goal	**Objectives**
Reduce municipal solid waste disposal by 50 percent before January 1, 2001.	• 75 percent of Indiana's Residents will have direct access to broad recycling opportunities within 10 miles of their home before 2000. • 30 percent of cities and towns will be serviced with unit-based rate pricing for trash collection before 2001. • More than 120 grants and $1,000,000 will be awarded in each calendar year, with at least 85 percent of local solid waste management districts participating in the grants program. • Of the 5 largest solid waste generators in each county, 50 percent will have conducted formal waste assessments before 2000. • Before 2000, 50 percent of the 50 largest office property management companies will provide source reduction and recycling opportunities for their tenants.

Reduce and Safely Manage Solid Waste	
Key Goal	**Objectives**
Reduce non-municipal solid waste disposal.	• IDEM will identify coal ash reuse opportunities and plans before mid 1998. • IDEM will develop plans and activities before the year 1999 to address spent foundry sand reuse opportunities. • IDEM will actively work with solid waste management districts to evaluate business and industry source reduction and recycling opportunities with the objective of teaching 50 percent of the five largest solid waste generators in each county, before the year 1999. • Evaluate disposal methods utilized by biosolids generators to encourage reuse through land application. • Develop improved program standards for confined feeding operations. • Initiate the activities to become eligible for seeking permitting authorization from EPA for the sludge program.
Safely manage solid waste that is disposed.	• Send 95 percent of all municipal solid waste (MSW) disposed to landfills with composite liners by 2001. • Determine how rate of compliance is to be defined, determine current rate of compliance, and determine overall compliance goal by January 1, 1998. • Eliminate 20 percent of the known illegal tire piles by 2001. • Conduct a public education and outreach program that reaches 90 percent of waste tire generators by 2001. • Offer household hazardous waste grants to 90 percent of solid waste districts by 2001. • Evaluate environmental protection within the growing and developing areas of waste processing that were previously not regulated. • Evaluate environmental protection at construction demolition (CD) sites and restricted waste (RW) sites. • 50 percent of the currently known on-site industrial waste disposal sites will be permitted or undergoing closure by 2001.

Ensure Safe Drinking Water	
Key Goal	**Objectives**
Meet safe drinking water standards.	• Decrease the percentage of Public Water Supply Systems (PWSS) with acute (short-term) or chronic (long-term) contaminants to less the 5 percent by 2002. • All new and presently operated public water supply systems have the capacity to produce safe water in quality and in adequate quantity. • Implement the State Wellhead Protection Program in 1997. • Develop a prototype Source Water Assessment Program by 1999. • Prepare plan for implementation of the 1996 Safe Drinking Water Act (SDWA) amendments. • Obtain the authority and organizational structure to administer a State Revolving Loan Fund program for Drinking Water by FY 1998. • Maintain an adequate laboratory certification program through coordination with the Indiana State Department of Health (ISDH). • Increase Best Management Practices (BMP's) to reduce the impacts on drinking water quality from agricultural chemicals.
Protect groundwater.	• Increase the State's inventory and assessment of source of contamination to groundwater resources by 50 percent by 2002. • Work with the Groundwater Task Force to promulgate State Groundwater quality Standards in State regulations by 1998. • Reduce the impact to quality of public and private drinking water supplies by direct discharge into groundwater by 1998. • Identify trends in use and concentration of agricultural chemicals impacting groundwater quality.

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Prevent and Clean up Contaminated Sites	
Key Goal	**Objectives**
Reduce the generation and disposal of hazardous waste by 2001.	• Reduce the generation of hazardous waste through pollution prevention and waste minimization outreach. • Increase the amount of useable materials recycled in the process of cleanup projects by 50 percent by 2000.
Improve hazardous waste handling and management practices through education, inspections, permitting, investigations, and enforcement by 20 percent, by 2001.	• Begin Phase II of the Hazardous Waste Permit Improvement Process to provide comprehensive *cradle-to-grave* hazardous waste management. • Achieve a more holistic multi-media approach to addressing environmental problems in hazardous waste permitting and compliance programs. • Assure *cradle-to-grave* accountability of hazardous waste management by improving data reporting and management systems. • Assure environmentally sound *cradle-to-grave* hazardous waste management through field inspections, technical reviews, and compliance assistance. • Educate target communities in each county of Indiana to enhance each planning and preparedness for spills by 2001.
Complete identification of threats to human health and the environment, begin investigation of identified sites, begin cleanup at identified sites, and compile the results of the annual site priority reviews into a comprehensive report of 10 years of progress by 2007.	• Identify threats at 75 percent of known contaminated sites by 2002. • Begin investigation at 100 percent of known sites by 2002, and begin cleanup at 75 percent of known sites by 2002. • Eliminate imminent threats at 100 percent all known sites by 2002. • Identify and begin cleanup to eliminate releases from 100 percent of known underground storage tanks by 2000. • Implement more community-based cleanup decisions by increasing outreach and participation by 75 percent by 2002.

Prevent and Clean up Contaminated Sites	
Key Goal	**Objectives**
Increase reclamation of contaminated industrial parcels by 100 percent by 2007.	• Increase Brownfields redevelopment by enhancing awareness and working with other state agencies, EPA, and the public to foster local Brownfield programs. • Increase remediation by 50 percent at Leaking Underground Storage Tank (LUST) sites by 2002. • Increase industry and Department of Defense (DOD) initiated cleanups 50 percent by 2002, and increase the transfer of DOD site parcels for redevelopment by 50 percent by 2002. • Increase tank upgrades by noncompliant owner operators 50 percent at underground storage tanks by 2002.
Increase protection and restoration of critical habitats by 100 percent by 2007.	• Identify and evaluate sites where there has been impairment of natural resources by 2002. • Achieve restoration, rehabilitation, replacement or acquisition of equivalent injured resources and lost services at 75 percent of priority sites by 2002.

Improve Customer Service	
Key Goal	**Objectives**
Improve public access to information.	• Publish IDEM policies in the *Indiana Register*. • Increase public access to permit applications, rules, information on site cleanups, etc., through the Internet and publications. • Improve management of public file rooms to make the operations and policies more consistent, and improve public access to public files.

Improve Customer Service	
Key Goal	**Objectives**
Improve permit services.	• Meet all permit processing time frames established by rule or statute. • Provide multi-media, sector-based permit assistance to the mineral aggregates industry in 2000. • Provide public access via the Internet on the status of permit applications by 1999. • During 1997, improve service to permit applicants and public by improving permit application, publishing permit manuals and developing improved procedures for identifying and resolving permit conflicts.
Improve customer assistance programs.	• Answer compliance assistance phone inquiries correctly. • Establish a citizen complaint hotline to receive and respond to citizen concerns by 1998. • Provide assistance to local governments within a 9-county pilot area through the IDEM-EPA funded Environmental Services program administered by the Indiana Association of Cities and Towns. • Conduct regional meetings or forums with the agricultural community to identify areas for improvement in IDEM's services to farmers, agribusinesses, and citizens in agricultural areas.

Increase Efficiency	
Key Goal	**Objectives**
Operate IDEM in as efficient and effective a manner as possible.	• IDEM will implement necessary organizational changes by 1999 so it operates as efficiently and effectively as possible given available resources. • IDEM will contract for series before 1999 for activities that are more effectively and efficiently performed outside of IDEM.

Focus on Environmental Results	
Key Goal	**Objectives**
Implement the National Environmental Performance Partnership System.	• Refine environmental goals, objectives and indicators for all IDEM programs. • Involve IDEM stakeholders and the general public in developing goals and indicators. • Expand National Environmental Performance Partnership System (NEPPS) to a federal-state-local partnership by 1999.